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ヨーロッパリューション

## PATENT COOPERATION TREATY

NO. 4160\_PCT/JP\_2004/011528

STN4P1073WC11

From the INTERNATIONAL BUREAU

**PCT**

NOTIFICATION OF TRANSMITTAL  
OF COPIES OF TRANSLATION  
OF THE INTERNATIONAL PRELIMINARY REPORT  
ON PATENTABILITY  
(CHAPTER I OR CHAPTER II)  
OF THE PATENT COOPERATION TREATY  
(PCT Rules 44bis-3(c) and 72.2)

To:

NAKAMURA, Teruyuki  
c/o Miyoshi International Patent Office  
Toranomon Kotobira Tower  
2-8, Toranomon 1-chome  
Minato-ku, Tokyo 105-0001  
JAPON

2006 5 26

Date of mailing (day/month/year) 18 May 2006 (18.05.2006)	
Applicant's or agent's file reference JSONY-597PCT	IMPORTANT NOTIFICATION
International application No. PCT/JP2004/011528	International filing date (day/month/year) 04 August 2004 (04.08.2004)
Applicant SONY CORPORATION et al	

## 1. Transmittal of the translation to the applicant.

The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter I).

The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter II).

## 2. Transmittal of the copy of the translation to the designated or elected Offices.

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following designated or elected Offices requiring such translation:

None

The following designated or elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

AE, AG, AL, AM, AP, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EA, EC, EE, EG, EP, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OA, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, US, UZ, VC, VN, YU, ZA, ZM, ZW

## 3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability (Chapter II).

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned within the applicable time limit (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer  Yoshiko Kuwahara
Faxsimile No.+41 22 740 14 35	Faxsimile No.+41 22 338 90 90

## PATENT COOPERATION TREATY

## PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY  
(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference JSON97PCT	FOR FURTHER ACTION		See item 4 below
International application No. PCT/JP2004/011528	International filing date (day/month/year) 04 August 2004 (04.08.2004)	Priority date (day/month/year) 04 August 2003 (04.08.2003)	
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237			
Applicant SONY CORPORATION			

1. This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).

2. This REPORT consists of a total of 5 sheets, including this cover sheet.  
In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.

3. This report contains indications relating to the following items:

<input checked="" type="checkbox"/> Box No. I	Basis of the report
<input type="checkbox"/> Box No. II	Priority
<input type="checkbox"/> Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
<input type="checkbox"/> Box No. IV	Lack of unity of invention
<input checked="" type="checkbox"/> Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
<input checked="" type="checkbox"/> Box No. VI	Certain documents cited
<input type="checkbox"/> Box No. VII	Certain defects in the international application
<input type="checkbox"/> Box No. VIII	Certain observations on the international application

4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 33(2), before the expiration of 30 months from the priority date (Rule 44bis.2).

		Date of issuance of this report 08 May 2006 (08.05.2006)
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland  Facsimile No. +41 22 740 14 35	Authorized officer  Yoshiko Kuwahara Telephone No. +41 22 338 90 90	

## PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

To:

PCT

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43b(s.1))

		Date of mailing (day/month/year)
Applicant's or agent's file reference <b>JSONY-597PCT</b>		FOR FURTHER ACTION See paragraph 2 below
International application No. <b>PCT/JP2004/011528</b>	International filing date (day/month/year) <b>04.08.2004</b>	Priority date (day/month/year) <b>04.08.2003</b>
International Patent Classification (IPC) or both national classification and IPC		
Applicant <b>SONY CORPORATION</b>		

## 1. This opinion contains indications relating to the following items:

- Box No. I Basis of the opinion
- Box No. II Priority
- Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- Box No. IV Lack of unity of invention
- Box No. V Reasoned statement under Rule 43b(s.1)(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- Box No. VI Certain documents cited
- Box No. VII Certain defects in the international application
- Box No. VIII Certain observations on the international application

## 2. FURTHER ACTION

If a demand for International preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1(b)(h) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

## 3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/JP	Authorized officer
Facsimile No.	Telephone No.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY		International application No. PCT/JP2004/011528
Box No. I	Basis of this opinion	
<p>1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.</p> <p><input type="checkbox"/> This opinion has been established on the basis of a translation from the original language into the following language _____, which is the language of a translation furnished for the purposes of International search (under Rule 12.3 and 23.1(b)).</p> <p>2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:</p> <ul style="list-style-type: none"> <li>a. type of material           <p><input type="checkbox"/> a sequence listing</p> <p><input type="checkbox"/> table(s) related to the sequence listing</p> </li> <li>b. format of material           <p><input type="checkbox"/> in written format</p> <p><input type="checkbox"/> in computer readable form</p> </li> <li>c. time of filing/furnishing           <p><input type="checkbox"/> contained in the international application as filed.</p> <p><input type="checkbox"/> filed together with the international application in computer readable form.</p> <p><input type="checkbox"/> furnished subsequently to this Authority for the purposes of search.</p> </li> </ul> <p>3. <input type="checkbox"/> In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.</p> <p>4. Additional comments:</p>		

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY		International application No. PCT/JP2004/011528
Box No. V	Reasoned statement under Rule 43bis.I(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement.	
1. Statement		
Novelty (N)	Claims 1-28	YES
	Claims _____	NO
Inventive step (IS)	Claims _____	YES
	Claims 1-28	NO
Industrial applicability (IA)	Claims 1-28	YES
	Claims _____	NO
2. Citations and explanations:		
Document 1: JP2003-123790 A (Sony Corp.), 25 April, 2003 (25/04/2003), Pages 2 to 4 Document 2: JP2002-193861 A (Sony Corp.), 10 July, 2002 (10/07/2002), Pages 5 to 9 & EP 1354864 A1 & US 2004/62971 A1 Document 3: JP 2003-86022 A (Sony Corp.), 20 March, 2003 (20/03/2003), Pages 3 to 6 & EP 1411568 A1 & US 2004/115501 A1 Document 4: JP2003-123793 A (Sony Corp.), 25 April, 2003 (25/04/2003), Pages 3 to 6 Document 5: JP2003-187636 A (Sony Corp.), 04 July, 2003 (04/07/2003), Pages 3 to 7 & EP 1435630 A1 & US 2003/72985 A1		
The inventions of subject matters of claims 1-28 do not seem to involve an inventive step due to the documents 1-5 cited in the ISR. The documents 1-5 describes a fullerene compound containing functional group (acid group) which can emit proton, protonic conductor made thereof and electrochemical device containing the protonic conductor. Therefore, it is understood that combining functional group which can emit proton and fullerene with "-CF <sub>2</sub> -" group could be easily conceived by a person skilled in the art.		

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY				International application No. PCT/JP2004/011528
Box No. VI	Certain documents cited			
1. Certain published documents (Rule 43bis.1 and 70.1(b))				
	Application No. Patent No.	Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim) (day/month/year)
	JP 2003-303513 A [E, X]	24.10.2003	17.06.2002	05.02.2002
2. Non-written disclosures (Rule 43bis.1 and 70.9)				
	Kind of non-written disclosure	Date of non-written disclosure (day/month/year)	Date of written disclosure referring to non-written disclosure (day/month/year)	